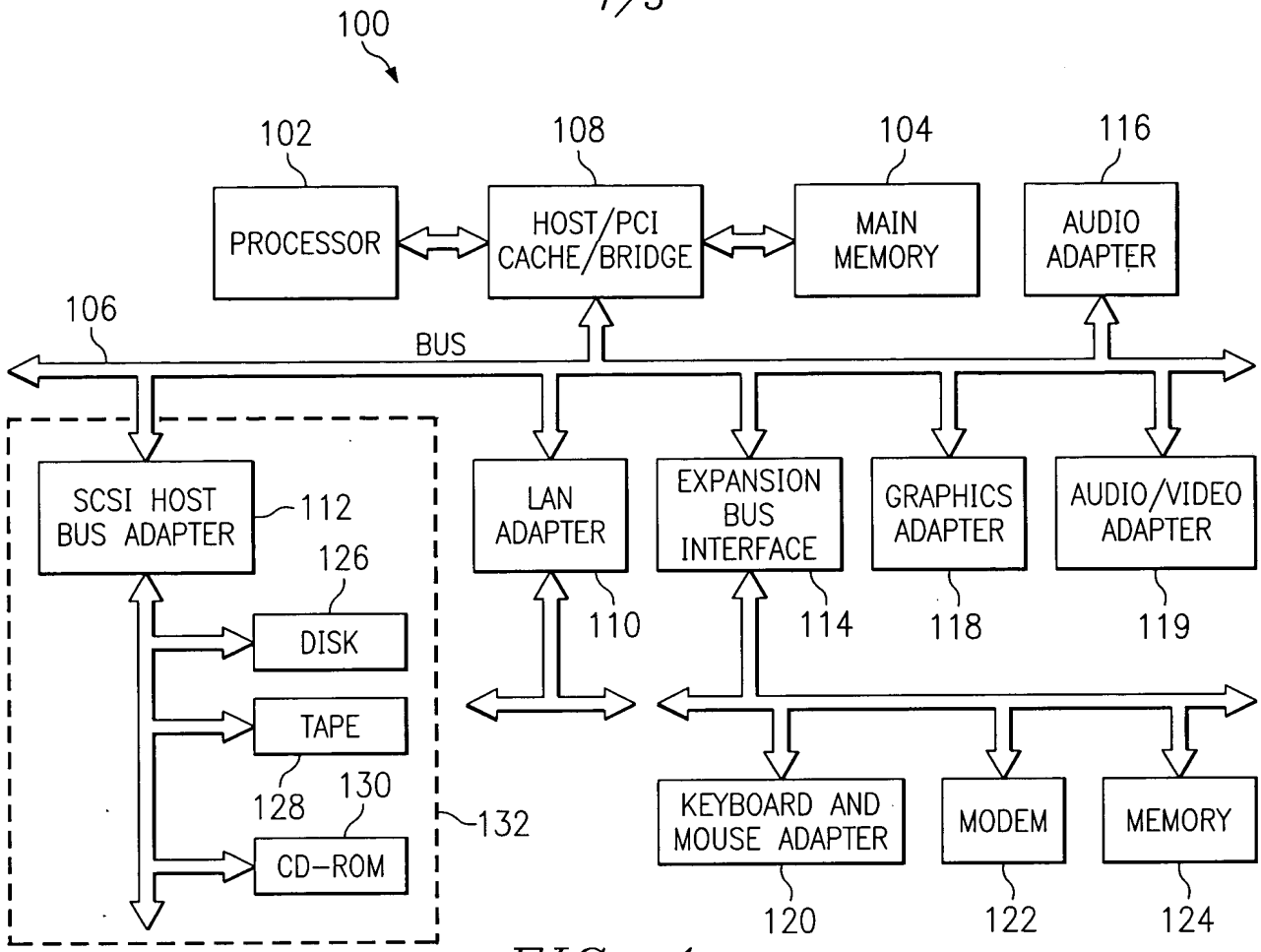


FIG. 1

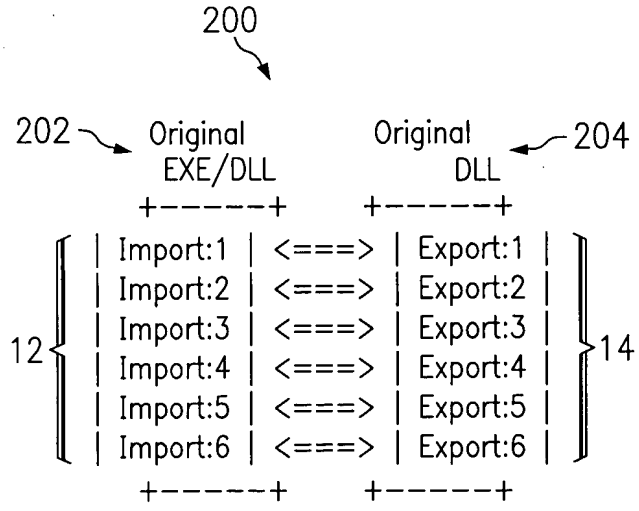


FIG. 2
(PRIOR ART)

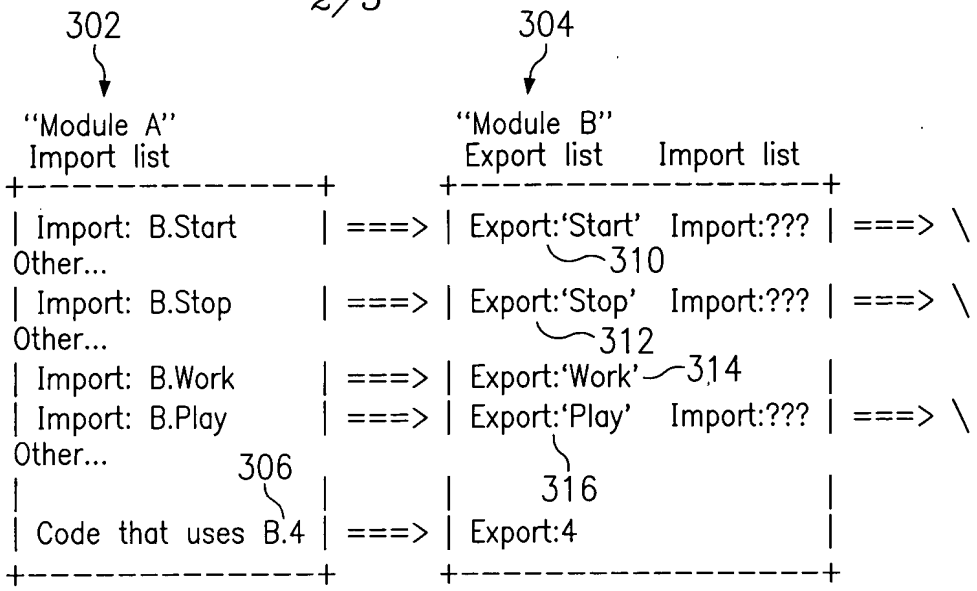


FIG. 3
(PRIOR ART)

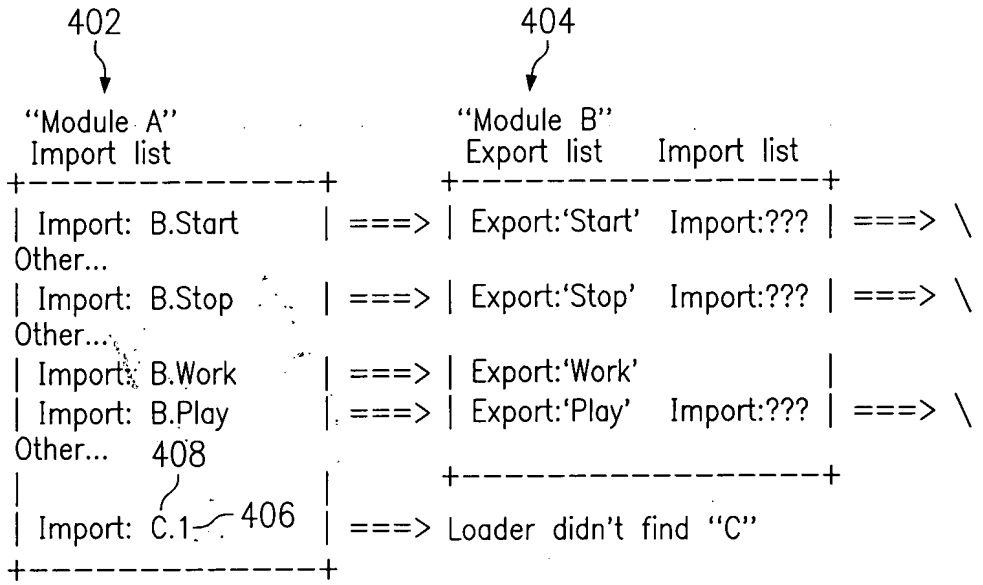


FIG. 4
(PRIOR ART)

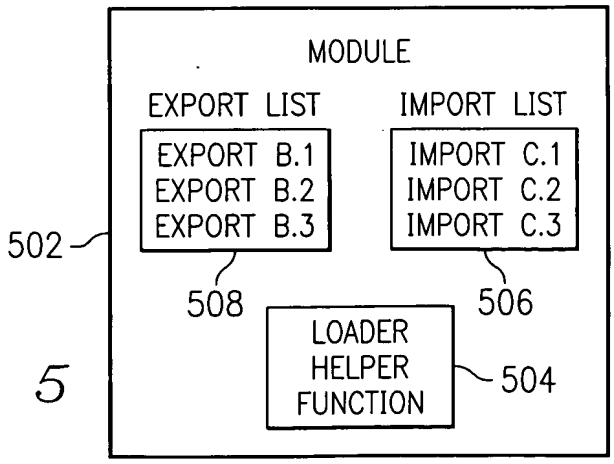


FIG. 5

600

```
LoaderHelperFunc( module, import, loadedBy, security )
{
  // Looking for module?
  if ( module and not import ) {
     return LocateMissingModule( module );
  }
  // Looking for import from existing module.
  rc = LocatePublicFunctions( module, import );
  if ( rc )
     return rc;
  // Hmm. Is caller poking around for private stuff?
  rc = LocatePrivateFunctions( module, import );
  if ( loadedBy != aFriend && security != authorized ) {
     WarnUser( "Someone is trying to sneak into your data!" );
     return 0;
  }
  return rc;
}

LocateMissingModule( ... )
{
  ....
}

LocatePublicFunctions( module, import )
{
  ....
}

LocatePrivateFunctions( module, import )
{
  ....
}

WarnUser( ... )
{
  ....
}
```

FIG. 6

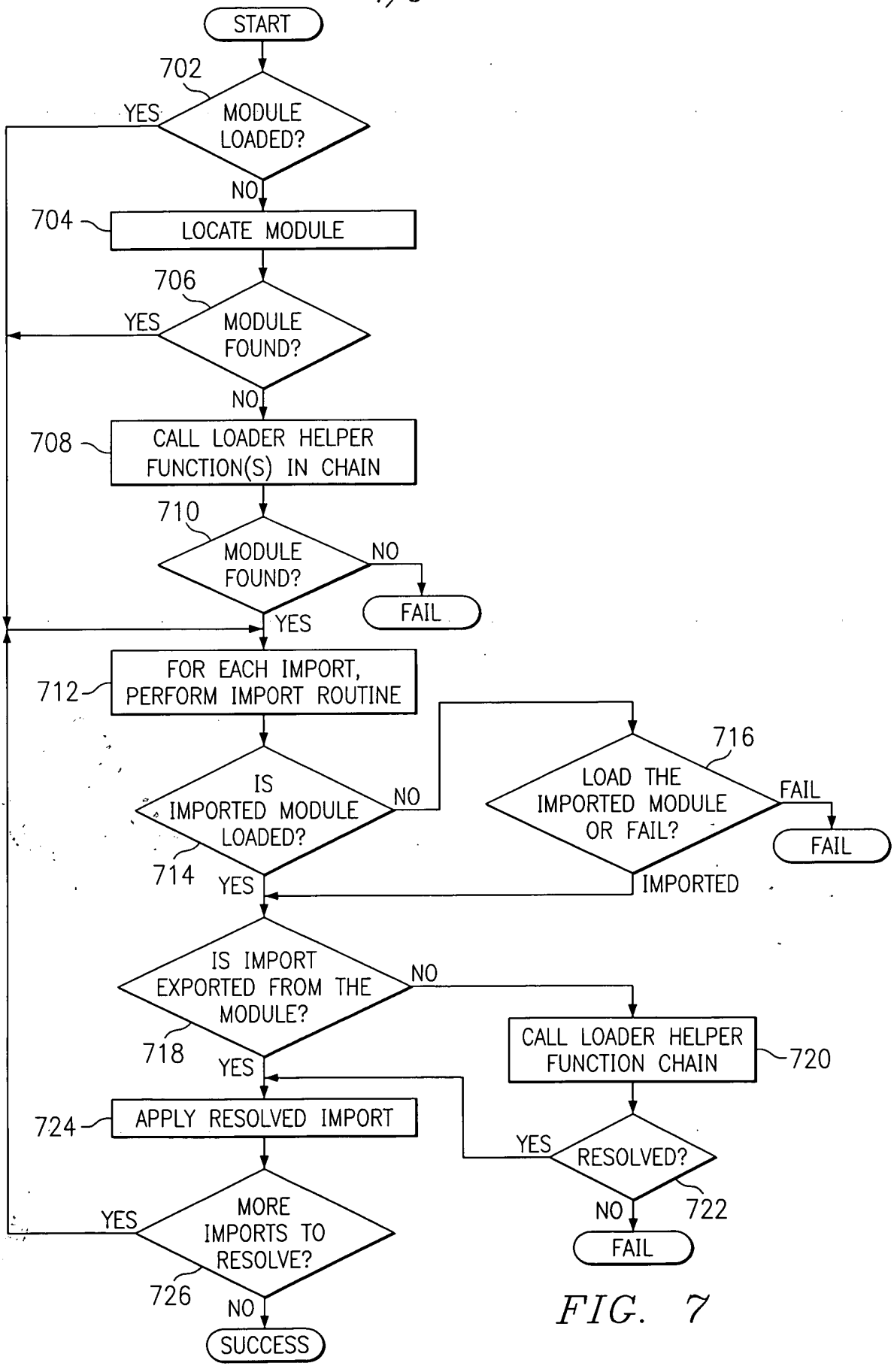
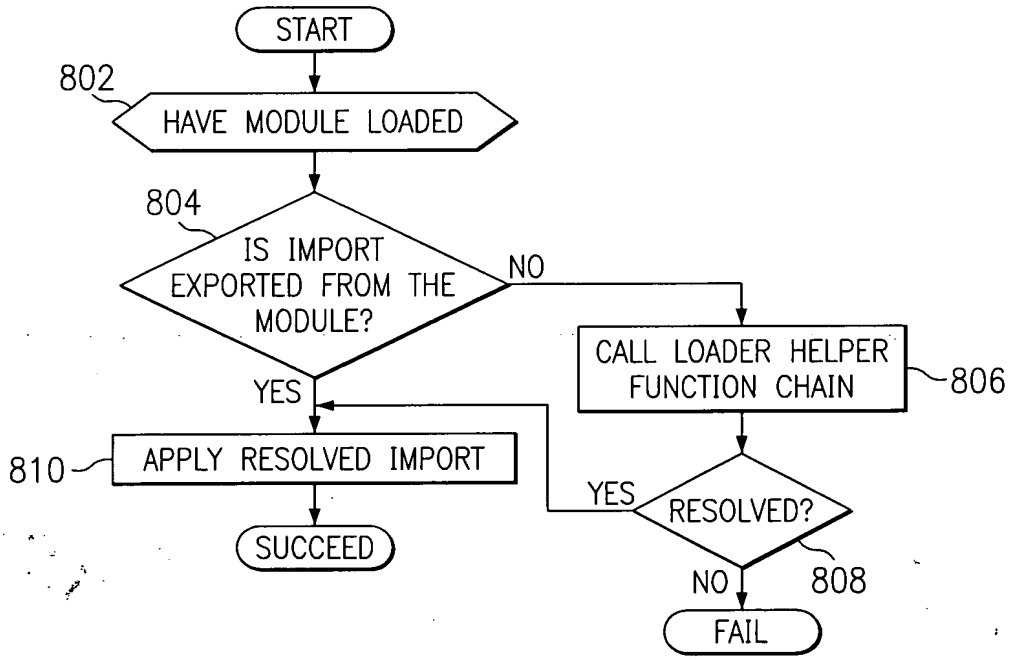

START
702
MODULE LOADED?
YES
NO
704
LOCATE MODULE
706
MODULE FOUND?
YES
NO
708
CALL LOADER HELPER FUNCTION(S) IN CHAIN
710
MODULE FOUND?
NO
FAIL
YES
712
FOR EACH IMPORT, PERFORM IMPORT ROUTINE
IS IMPORTED MODULE LOADED?
NO
714
YES
716
LOAD THE IMPORTED MODULE OR FAIL?
FAIL
FAIL
IMPORTED
IS IMPORT EXPORTED FROM THE MODULE?
NO
718
YES
CALL LOADER HELPER FUNCTION CHAIN
720
724
APPLY RESOLVED IMPORT
YES
RESOLVED?
NO
722
FAIL
YES
MORE IMPORTS TO RESOLVE?
726
NO
SUCCESS

FIG. 7

FIG. 8


START
802
HAVE MODULE LOADED
804
IS IMPORT EXPORTED FROM THE MODULE?
NO
YES
CALL LOADER HELPER FUNCTION CHAIN
806
810
APPLY RESOLVED IMPORT
YES
RESOLVED?
808
NO
SUCCEED
FAIL